

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091724\
 Data File : VY019578.D
 Acq On : 17 Sep 2024 12:16
 Operator : SY/MD
 Sample : VY0917SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0917SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/18/2024
 Supervised By :Semsettin Yesilyurt 09/18/2024

Quant Time: Sep 18 01:31:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 09 16:00:30 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	376999	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	643031	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	537322	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	252101	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	197920	56.696	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.400%	
35) Dibromofluoromethane	7.628	113	200548	55.007	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.020%	
50) Toluene-d8	10.109	98	751125	55.700	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 111.400%	
62) 4-Bromofluorobenzene	12.408	95	262194	50.566	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 101.140%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	58803	26.623	ug/l	99
3) Chloromethane	2.074	50	68547	21.976	ug/l	99
4) Vinyl Chloride	2.208	62	80725	23.934	ug/l	100
5) Bromomethane	2.598	94	54144	26.135	ug/l	98
6) Chloroethane	2.739	64	54486	24.712	ug/l	97
7) Trichlorofluoromethane	3.062	101	133404	23.728	ug/l	94
8) Diethyl Ether	3.452	74	38349	20.320	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.818	101	80979	23.283	ug/l	95
10) Methyl Iodide	4.007	142	85591	19.195	ug/l	94
11) Tert butyl alcohol	4.860	59	42441	150.543	ug/l #	84
12) 1,1-Dichloroethene	3.787	96	69963	20.917	ug/l	92
13) Acrolein	3.653	56	18013	125.591	ug/l	99
14) Allyl chloride	4.385	41	122672	20.451	ug/l #	93
15) Acrylonitrile	5.055	53	84963	104.410	ug/l	99
16) Acetone	3.867	43	92476	111.194	ug/l	88
17) Carbon Disulfide	4.104	76	167701	18.557	ug/l	99
18) Methyl Acetate	4.385	43	38994	17.277	ug/l	91
19) Methyl tert-butyl Ether	5.116	73	196896	20.784	ug/l	98
20) Methylene Chloride	4.616	84	80828	21.311	ug/l #	90
21) trans-1,2-Dichloroethene	5.110	96	76548	20.879	ug/l	92
22) Diisopropyl ether	6.019	45	261232	21.208	ug/l	94
23) Vinyl Acetate	5.958	43	744907	105.876	ug/l #	93
24) 1,1-Dichloroethane	5.909	63	149376	21.611	ug/l	96
25) 2-Butanone	6.890	43	130191	110.067	ug/l #	87
26) 2,2-Dichloropropane	6.884	77	147554	23.666	ug/l	95
27) cis-1,2-Dichloroethene	6.890	96	96463	21.660	ug/l	85
28) Bromochloromethane	7.244	49	54731	18.820	ug/l	84
29) Tetrahydrofuran	7.256	42	72483	100.785	ug/l	87
30) Chloroform	7.421	83	157970	22.388	ug/l	98
31) Cyclohexane	7.701	56	130287	20.854	ug/l	92
32) 1,1,1-Trichloroethane	7.616	97	143708	22.723	ug/l	97
36) 1,1-Dichloropropene	7.835	75	109296	22.031	ug/l	97
37) Ethyl Acetate	6.982	43	51351	20.202	ug/l	96
38) Carbon Tetrachloride	7.817	117	126720	22.651	ug/l	97
39) Methylcyclohexane	9.109	83	139612	21.147	ug/l	95
40) Benzene	8.079	78	328546	21.502	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	27402m	18.493	ug/l	
42) 1,2-Dichloroethane	8.158	62	91021	22.137	ug/l	97
43) Isopropyl Acetate	8.201	43	107176	20.069	ug/l #	81
44) Trichloroethene	8.866	130	82864	21.086	ug/l	94
45) 1,2-Dichloropropane	9.140	63	77971	20.873	ug/l	94
46) Dibromomethane	9.231	93	43494	21.291	ug/l	94
47) Bromodichloromethane	9.420	83	118428	21.567	ug/l	98
48) Methyl methacrylate	9.219	41	47805	18.956	ug/l	86
49) 1,4-Dioxane	9.225	88	10516	437.285	ug/l #	85
51) 4-Methyl-2-Pentanone	10.000	43	266976	99.371	ug/l	91
52) Toluene	10.170	92	212380	21.611	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	108629	20.752	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	125854	20.648	ug/l #	89
55) 1,1,2-Trichloroethane	10.573	97	60469	21.435	ug/l	96
56) Ethyl methacrylate	10.439	69	84189	19.646	ug/l #	80
57) 1,3-Dichloropropane	10.719	76	104070	21.461	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	193815	97.446	ug/l	98
59) 2-Hexanone	10.762	43	196111	99.565	ug/l	89
60) Dibromochloromethane	10.908	129	79163	21.213	ug/l	99
61) 1,2-Dibromoethane	11.012	107	53474	20.344	ug/l	99
64) Tetrachloroethene	10.646	164	71466	21.478	ug/l	93
65) Chlorobenzene	11.444	112	232460	21.994	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	80068	21.879	ug/l	99
67) Ethyl Benzene	11.518	91	420641	22.398	ug/l	100
68) m/p-Xylenes	11.627	106	314761	44.325	ug/l	94
69) o-Xylene	11.957	106	149995	21.598	ug/l	93
70) Styrene	11.969	104	254504	21.705	ug/l	96
71) Bromoform	12.127	173	42697	20.427	ug/l #	98
73) Isopropylbenzene	12.255	105	414163	22.645	ug/l	99
74) N-amyl acetate	12.072	43	99813	20.067	ug/l	89
75) 1,1,2,2-Tetrachloroethane	12.505	83	69991	21.561	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	48144m	20.375	ug/l	
77) Bromobenzene	12.530	156	87455	21.560	ug/l	90
78) n-propylbenzene	12.597	91	495146	22.841	ug/l	100
79) 2-Chlorotoluene	12.682	91	280082	22.170	ug/l	96
80) 1,3,5-Trimethylbenzene	12.737	105	329993	22.194	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	23794	19.331	ug/l	93
82) 4-Chlorotoluene	12.780	91	286330	22.046	ug/l	96
83) tert-Butylbenzene	12.999	119	313499	23.291	ug/l	96
84) 1,2,4-Trimethylbenzene	13.042	105	331444	22.520	ug/l	96
85) sec-Butylbenzene	13.176	105	448192	22.921	ug/l	100
86) p-Isopropyltoluene	13.292	119	366125	22.885	ug/l	97
87) 1,3-Dichlorobenzene	13.286	146	175691	22.291	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	172844	22.097	ug/l	96
89) n-Butylbenzene	13.615	91	350384	22.910	ug/l	100
90) Hexachloroethane	13.877	117	72603	21.811	ug/l	90
91) 1,2-Dichlorobenzene	13.657	146	153257	21.790	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10711	19.798	ug/l	79
93) 1,2,4-Trichlorobenzene	14.919	180	82888	19.376	ug/l	98
94) Hexachlorobutadiene	15.023	225	48183	21.084	ug/l	99
95) Naphthalene	15.139	128	158757	18.532	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	70835	19.359	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

